

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Susumu Hashimoto et al.

Title: MAGNETORESISTANCE EFFECT ELEMENT WITH
IMPROVED ANTIFERROMAGNETIC LAYER

Prior Appl. No.: 09/146,222

Prior Appl. Filing Date: 09/02/1998

Prior Appl. Examiner: W. Korzuch

Prior Appl. Art Unit: 2754

CONTINUING PATENT APPLICATION
TRANSMITTAL LETTER

Commissioner for Patents
Box PATENT APPLICATION
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a:

☒ Continuation ☐ Division ☐ Continuation-In-Part (CIP)

of the above-identified copending prior application in which no patenting, abandonment, or termination of proceedings has occurred. Priority to the above-identified prior application is hereby claimed under 35 U.S.C. § 120 for this continuing application. The entire disclosure of the above-identified prior application is considered as being part of the disclosure of the accompanying continuing application and is hereby incorporated by reference therein.

☐ Applicant claims small entity status under 37 CFR 1.27.

Enclosed are:

- ☒ Specification, Claim(s), Drawings, and Abstract (21 pages)
- ☒ Reissue Declaration under 37 C.F.R. § 1.175 (7 pages)
- ☒ Assent of Assignee (copy from parent application)
- ☒ Revocation and New Power of Attorney (copy from parent application)
- ☒ Offer to Surrender (copy from parent application)
- ☒ Certificate under 37 C.F.R. 3.73(b) (copy from parent application)
- ☒ Information Disclosure Statement

02/20/01
JC660 U.S. PTO

PTO
09/785458
02/20/01

09785458-022001

☒ Form PTO-1449☒ Preliminary Amendment

☒ A Petition for Extension of Time (5 Months) and appropriate fee is being filed in the U.S. Patent and Trademark Office today, February 20, 2001, in parent application 09/146,222. This extension of time is timely filed because February 18, 2001 fell on a Sunday, and Monday, February 19, 2001 was a federal holiday.

The filing fee is calculated below:

| | Claims as Filed | Included in Basic Fee | Extra Claims | Rate | Fee Totals |
|---|--------------------|--------------------------|-----------------|-------------------|---------------|
| Basic Fee | | | | \$710.00 | \$710.00 |
| Total Claims: | 27 | 20 | 7 | x \$18.00 | = \$126.00 |
| Independents: | 3 | 3 | 0 | x \$80.00 | = \$0.00 |
| If any Multiple Dependent Claim(s) present: | | | | + \$270.00 | = \$0.00 |
| | | | | SUBTOTAL: | = \$836.00 |
| <input type="checkbox"/> Small Entity Fees Apply (subtract 1/2 of above): | | | | | = \$0.00 |
| | | | | TOTAL FILING FEE: | = \$0.00 |

☒ A check in the amount of \$836.00 to cover the filing fee is enclosed.

☐ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.

☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date 20 February 2001

By George E. Quillin 33,792

FOLEY & LARDNER
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for Johnny A. Kumar
Attorney for Applicant
Registration No. 34,649

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 016907/0935

In re reissue patent application of

Susumu Hashimoto et al.

Serial No: Not yet assigned

Application for reissue of U.S. Patent No.
5,552,949, granted September 3, 1996

Filed: Herewith

For: MAGNETORESISTANCE EFFECT ELEMENT WITH IMPROVED
ANTIFERROMAGNETIC LAYER

OFFER TO SURRENDER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants hereby offer to surrender the original Patent
5,552,949.

Respectfully submitted,

September 2, 1998
Date

Richard L. Schwaab
Richard L. Schwaab
Reg. No. 25,479

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Tel: (202) 672-5300

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 016907/0935



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CERTIFICATE UNDER 37 C.F.R. 3.73(b)

KABUSHIKI KAISHA TOSHIBA, a corporation, certifies that
it is the assignee of the entire right, title and interest
in the patent application identified above by virtue of
either:

A. [X] An assignment from the inventor(s) of the patent
application identified above. The assignment was recorded
in the Patent and Trademark Office at Reel 6965 , Frame 306 ,
or for which a copy thereof is attached.

OR

B. [] A chain of title from the inventor(s), of the
patent application
identified above, to the current assignee as shown below:

100220-8545260

1. From: To:

The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

2. From: To:

The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

3. From: To:

The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

[] Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section

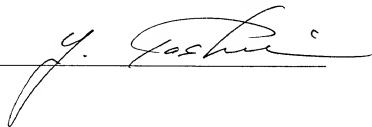
1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: August 27, 1998

Name: Yoshikuni Tashiro

Title: General Manager, Intellectual Property Division

Signature: _____

A handwritten signature in dark ink, appearing to read 'Y. Tashiro', is written over a horizontal line. The signature is fluid and cursive.

09785458-022001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 016907/0935

In re reissue patent application of

Susumu Hashimoto et al.

Serial No: Not yet assigned

Application for reissue of U.S. Patent No.
5,552,949, granted September 3, 1996

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For: MAGNETORESISTANCE EFFECT ELEMENT WITH IMPROVED
ANTIFERROMAGNETIC LAYER

ASSENT OF ASSIGNEE

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned assignee of the entire right, title
and interest to the United States Letters Patent 5,552,949
hereby assents to the accompanying reissue application and
offers to surrender said Letters Patent.

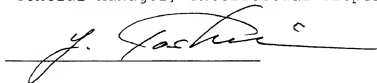
Date: August 27, 1998

Name: Yoshikuni Tashiro

100220-3453260

Title: General Manager, Intellectual Property Division

Signature:

A handwritten signature in black ink, appearing to read "J. Fashier", is written over a horizontal line.

FOLEY & LARDNER

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Washington, DC 20007-5109

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100320-8545870

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 016907/0935

In re reissue patent application of

Susumu Hashimoto et al.

Serial No: Not yet assigned

Application for reissue of U.S. Patent No.
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REVOCATION AND NEW POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned assignee of the above patent hereby
revokes all previous powers of attorney in connection with
this patent, and hereby appoints as its attorneys, with full
power of substitution and revocation, to prosecute the
above-identified reissue application and transact all other
business in the Patent and Trademark Office in connection
with said patent:

Stephen A. Bent, Reg. No. 29,768; David A. Blumenthal,
Reg. No. 26,257; John J. Feldhaus, Reg. No. 28,822; Eugene M.
Lee, Reg. No. 32,039; Peter G. Mack, Reg. No. 26,001; Brian
J. McNamara, Reg. No. 32,789; Sybil Meloy, Reg. No. 22,749;
George E. Quillin, Reg. No. 32,792; Colin G. Sandercock, Reg.
No. 31,298; Bernhard D. Saxe, Reg. No. 28,665; Richard L.

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100220 8549260

1997

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Tel: 202-672-5414

Respectfully submitted,

J. Foster

By: Yoshikuni Tashiro

Title: General Manager, Intellectual
Property Division